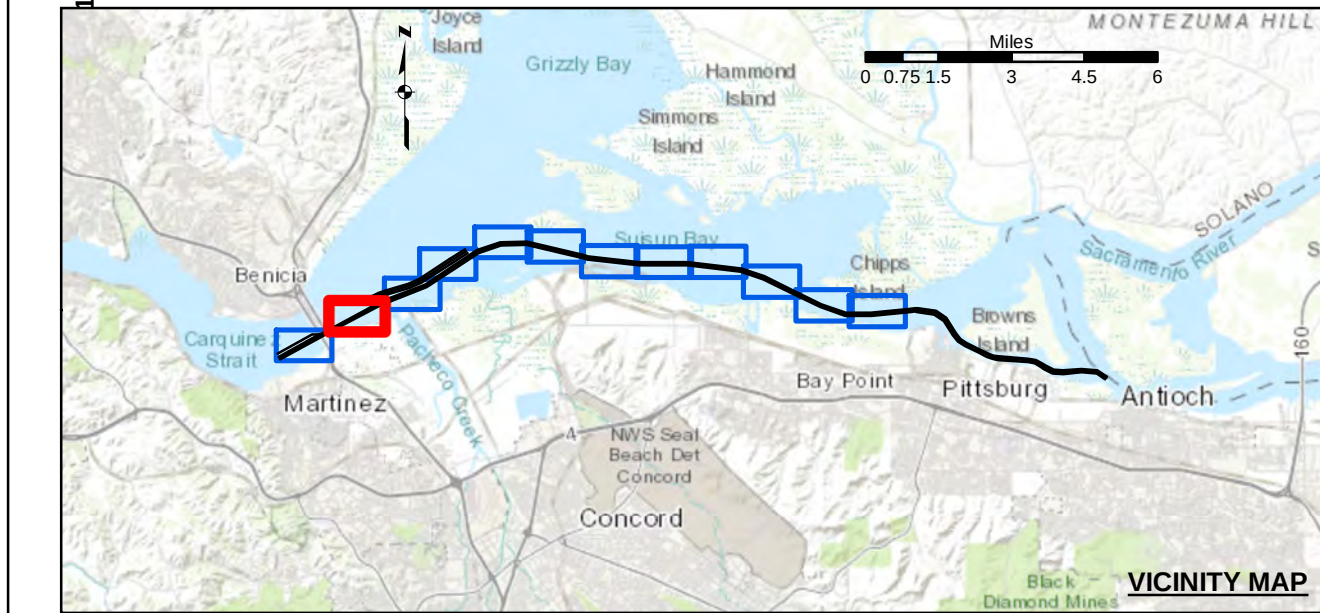
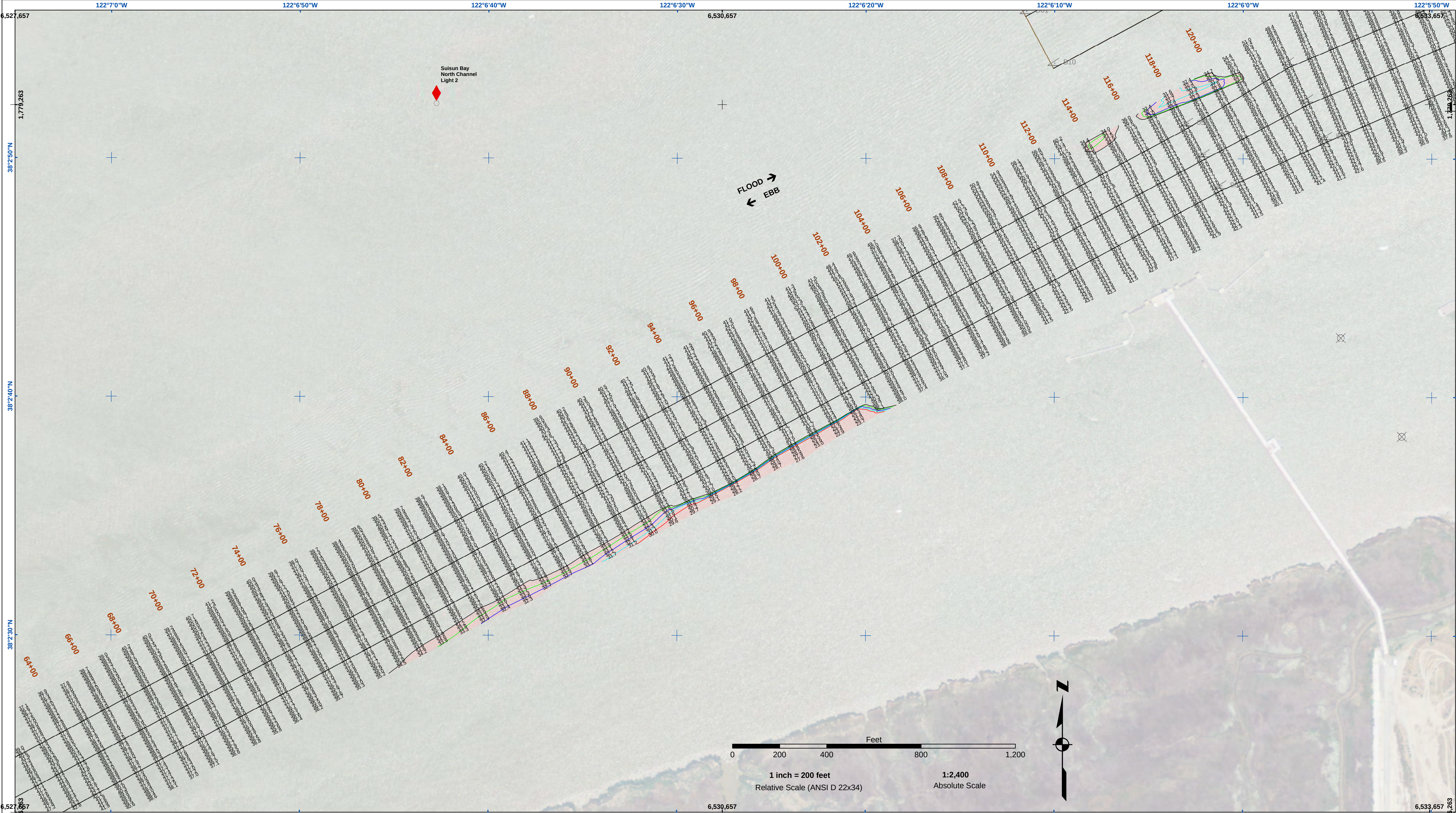




Federal Navigation Channel

Shoaling Area

Placement Area

Anchorage Area

Wreck Area

Submerged Wreck

Angle Point

Beacon, General

Obstruction Point

Navigation Buoy

Navigation Buoy

Shoalest Sounding*

Contours

-35

-34

-33

-32

-31

NOTES:

HORIZONTAL COORDINATE SYSTEM:
NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE II. DISTANCE UNITS IN U.S. SURVEY FEET.

VERTICAL DATUM:
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SURVEYED BY THE CORPS OF ENGINEERS.

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THE PROJECT DEPTH IS 35 FEET.

VERTICAL CONTROL:
SUISUN BAY CHANNEL
(LINES 00+00 TO 160+00) BENCHMARK "9" (1948), USC&GS DISK
ELEV 14.875 FT MLLW.
TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK.

(LINES 150+00 TO 500+00) BENCHMARK "5144-P" (1990 RESET 1997),
(LINES 500+00 TO 660+00) BENCHMARK "5144-P" (1990 RESET 1997),
USC&GS DISK, ELEV 11.83 FT MLLW.
TIDE GAUGE LOCATED AT CONCORD NAVAL WEAPONS STATION TUG DOCK, NOAA STATION.

(LINES 660+00 TO 733+45) BENCHMARK "5096-B",
USC&GS DISK, ELEV 21.76 FT MLLW.
TIDE GAUGE LOCATED AT DIABLO SERVICE DOCK.

HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

US Army Corps
of Engineers

San Francisco District
450 Golden Gate Ave
San Francisco, CA 94102

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PREPARED UNDER THE DIRECTION OF JOHN D. CUNNINGHAM LT COLONEL, C.E. DISTRICT ENGINEER	Surveyed By:	Chart Date:
Submitted: Hydro Survey Team Leader	Plotted By:	Dec 05, 2019
Recommended: Chief, Hydro Survey Section	Checked By:	Designed by:
Approved: Chief, Construction Branch	PDT	Drawn by:
	PDT	PDT

CONTRA COSTA COUNTY

CALIFORNIA

SUISUN BAY CHANNEL

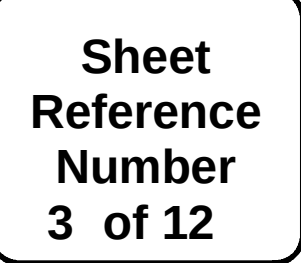
POST-DREDGE SURVEY

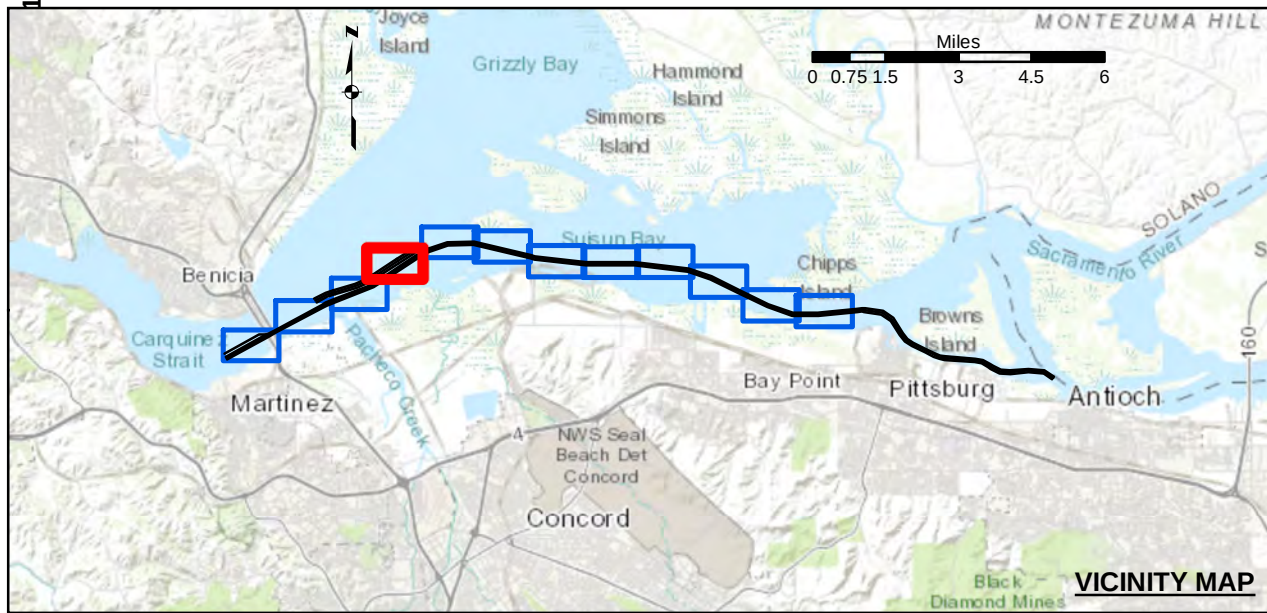
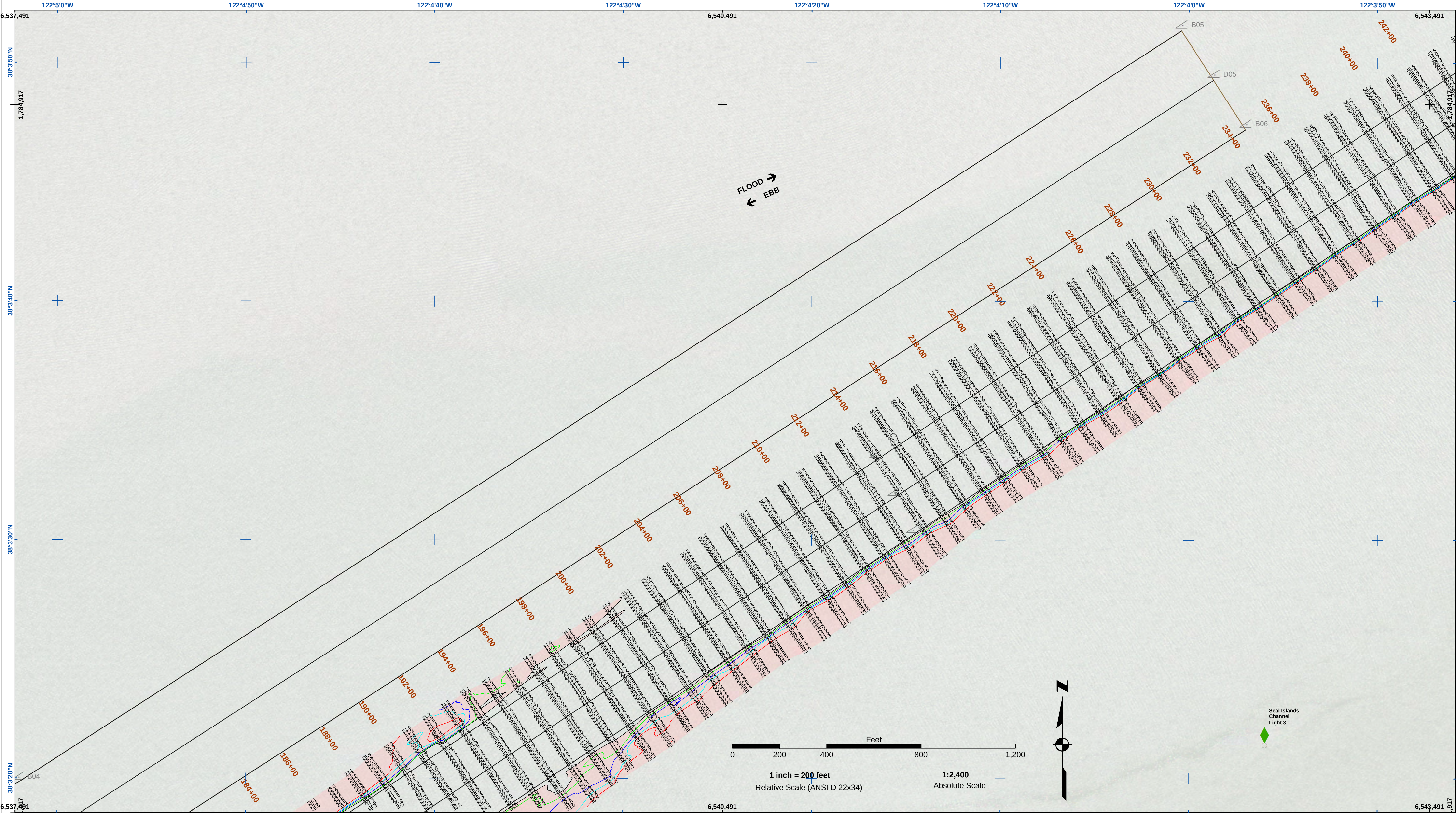
10 & 22 OCTOBER 2019

4, 12, 18, 21 & 27 NOVEMBER 2019

02 DECEMBER 2019

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Number
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Federal Navigation Channel

Shoaling Area

Placement Area

Anchorage Area

Wreck Area

Submerged Wreck

Angle Point

Beacon, General

Obstruction Point

Navigation Buoy

Navigation Buoy

Shoalest Sounding*

Contours

-35

-34

-33

-32

-31

NOTES:

HORIZONTAL COORDINATE SYSTEM:
NORTH AMERICAN DATUM OF 1983 (NAD83), PROJECTED TO THE STATE PLANE COORDINATE SYSTEM (SPCS), CALIFORNIA ZONE II. DISTANCE UNITS IN U.S. SURVEY FEET.

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VERTICAL CONTROL:
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(LINES 00+00 TO 160+00) BENCHMARK "9" (1948), USC&GS DISK
ELEV 14.875 FT MLLW.
TIDE GAUGE LOCATED AT PORT OF BENICIA DOCK.

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TIDE GAUGE LOCATED AT DIABLO SERVICE DOCK.

HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

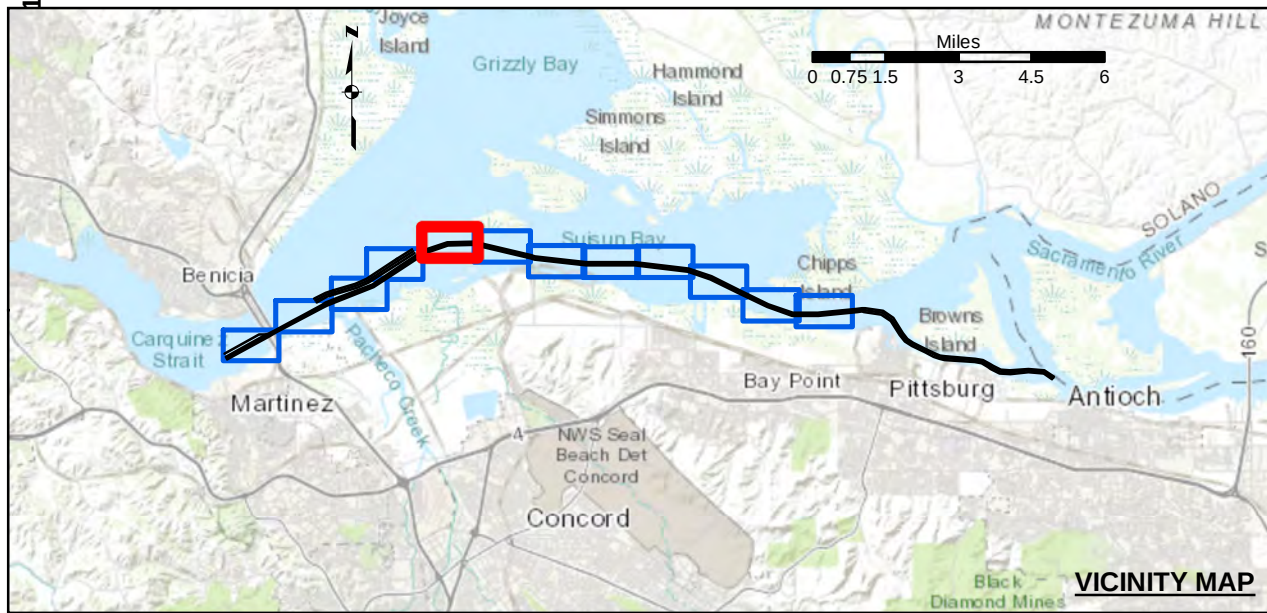
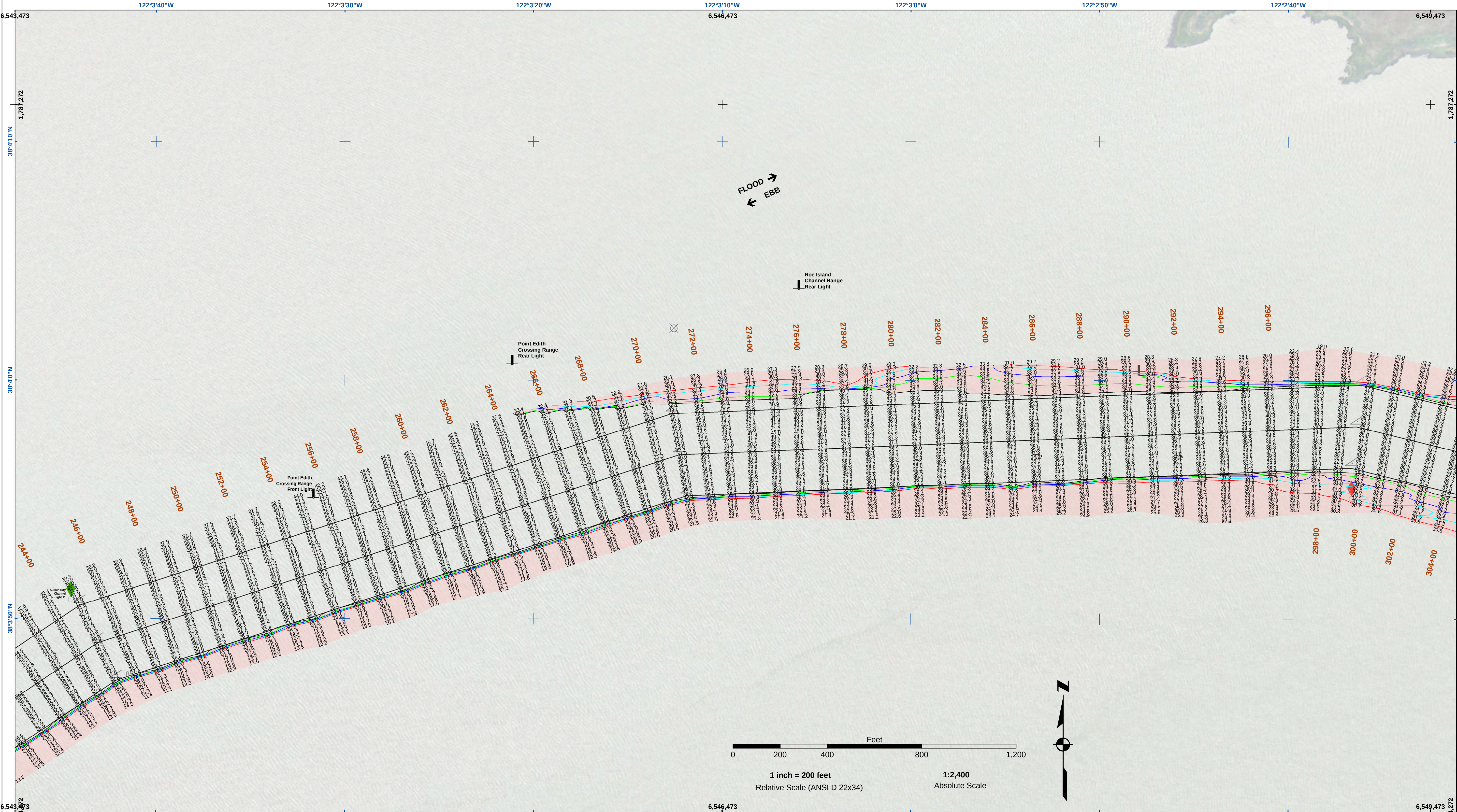

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PREPARED UNDER THE DIRECTION OF JOHN D. CUNNINGHAM LT COLONEL, C.E. DISTRICT ENGINEER	Surveyed By:	Chart Date:
Submitted: Hydro Survey Team Leader	Flotted By:	Dec 05, 2019
Recommended: Chief, Hydro Survey Section	Checked By:	Designed by:
Approved: Chief, Construction Branch	PDT	Drawn by:
	PDT	PDT

CALIFORNIA
SUISUN BAY CHANNEL
POST-DREDGE SURVEY
10 & 22 OCTOBER 2019
4, 12, 18, 21 & 27 NOVEMBER 2019
02 DECEMBER 2019

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Federal Navigation Channel

Shoaling Area

Placement Area

Anchorage Area

Wreck Area

Submerged Wreck

Angle Point

Beacon, General

Obstruction Point

Navigation Buoy

Navigation Buoy

Shoalest Sounding*

Contours

-35

-34

-33

-32

-31

NOTES:

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HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

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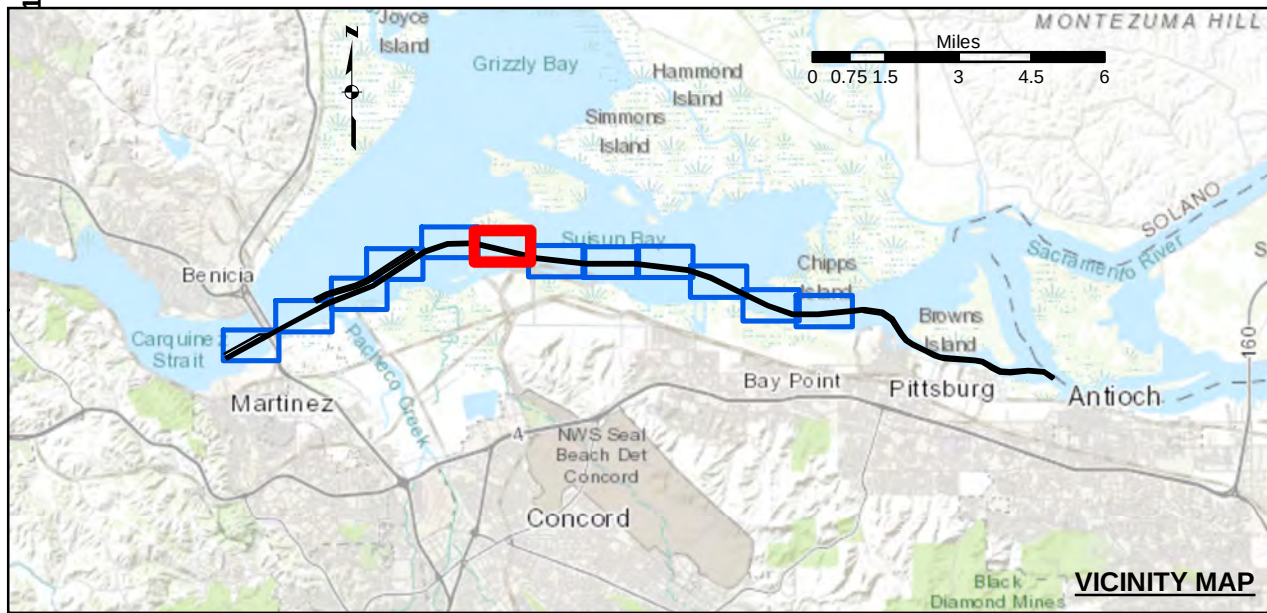
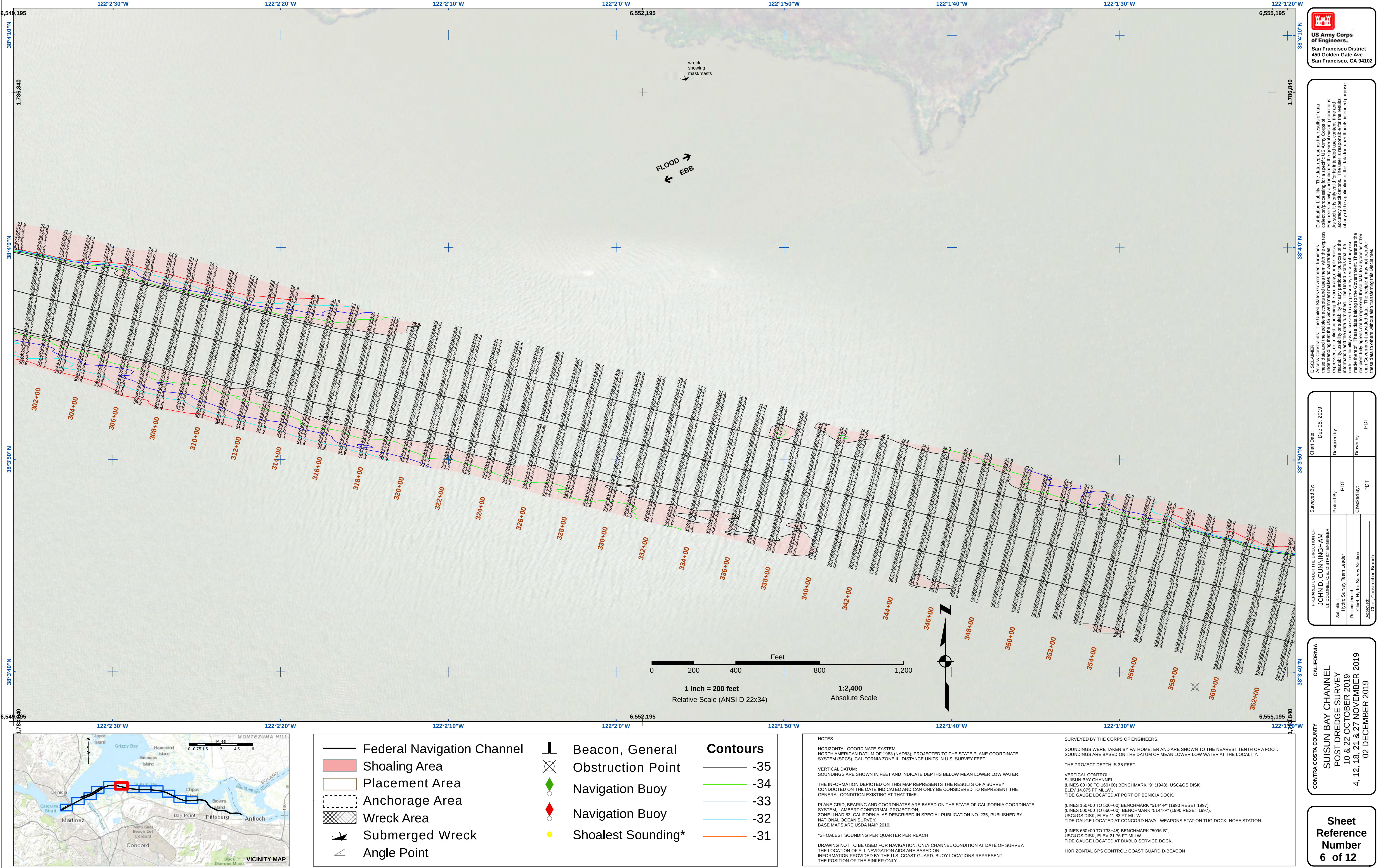
PREPARED UNDER THE DIRECTION OF JOHN D. CUNNINGHAM LT COLONEL, C.E. DISTRICT ENGINEER	Surveyed By:	Chart Date:
Submitted: Hydro Survey Team Leader	Plotted By:	Dec 05, 2019
Recommended: Chief, Hydro Survey Section	Checked By:	Designed by:
Approved: Chief, Construction Branch	PDT	Drawn by:
	PDT	PDT

CONTRA COSTA COUNTY

CALIFORNIA

SUISUN BAY CHANNEL
POST-DREDGE SURVEY
10 & 22 OCTOBER 2019
4, 12, 18, 21 & 27 NOVEMBER 2019
02 DECEMBER 2019

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Number
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Federal Navigation Channel

Shoaling Area

Placement Area

Anchorage Area

Wreck Area

Submerged Wreck

Angle Point

Beacon, General

Obstruction Point

Navigation Buoy

Navigation Buoy

Shoalest Sounding*

Contours

-35

-34

-33

-32

-31

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HORIZONTAL GPS CONTROL: COAST GUARD D-BEACON

US Army Corps
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San Francisco District
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Submitted: Hydro Survey Team Leader	Plotted By:	Dec 05, 2019
Recommended: Chief, Hydro Survey Section	PDT	Designed by:
Approved: Chief, Construction Branch	PDT	Drawn by:
		PDT

CALIFORNIA

CONTRA COSTA COUNTY

SUISUN BAY CHANNEL

POST-DREDGE SURVEY

10 & 22 OCTOBER 2019

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